



Third WCRP International Conference on Reanalysis

First Call for Papers World Climate Research Programme

Third International Conference on Reanalysis
28 January to 1 February 2008
Institute of Industrial Science, University of Tokyo, Tokyo, Japan

A reanalysis is a comprehensive global, multi-decadal dataset generated by the latest numerical data assimilation techniques using various past observations. Reanalysis data have consistent technical quality over decades and provide vital context to many types of meteorological and climatological research and applications.

The first WCRP reanalysis conference was held in 1997, at NOAA in the USA, and the second in 1999, in Reading UK. In the 8 years since then, advanced data from the ERA-40 and JRA-25 reanalyses have become available and reanalysis data are now used worldwide as an essential standard data for climate research activities.

Following an initiative by WCRP, Japan Meteorological Agency (JMA), Central Research Institute of Electric Power Industry (CRIEPI) and the University of Tokyo, the third WCRP International Conference on Reanalysis is planned to take place in Tokyo, Japan from 28th January to 1st February 2008.

The conference will focus on the following aspects.

- Introduction of the reanalyses
- Applications using reanalysis data
- Comparison and validation of characteristics of each reanalysis
- Data assimilation techniques for reanalysis
- Strategy and international cooperation for future reanalysis

The conference will consider not only global atmospheric reanalysis but also ocean and land reanalysis, mainly from the viewpoint of interaction with the atmosphere.

The draft agenda is attached to this announcement. The agenda may be changed according to the number of submissions for each category.

No registration fee will be charged for the conference. The closest international airport is Narita airport (<http://www.narita-airport.jp/en/>). There are many kinds of hotels in Tokyo. The price of a single room of the closest hotel is around 80USD per night. Detailed information will be provided in the second circular.

See http://jra.kishou.go.jp/3rac_en.html for further information. Submission of abstracts will begin on 1st June, 2007. Submission should be made by electronic forms to an online registration page linked from the page by **the deadline 31st July, 2007.** Information will be updated at the announcement page.

For specific queries, please contact the secretariat of the Local Organizing Committee:
Japan Meteorological Agency, 1-3-4 Ote-machi, Chiyoda, Tokyo, JAPAN
E-mail : wcrp3rac_p@ics-inc.co.jp (about abstracts and agenda)
wcrp3rac_reg@ics-inc.co.jp (about registration and other matters)

[[Agenda]]

(Nominated researchers are invited.)

1 Introduction of the reanalyses

(JMA, ECMWF, NCEP, NASA/GMAO and ocean)

[Invited Speakers: K.Onogi, S.Uppala, G.White, S.Schubert and D.Stammer]

2.Applications of reanalysis products

(including diagnostic studies, seasonal prediction, ocean application, social impacts, application for agriculture, fishery and other industries, etc.)

[Invited Speakers: P.Arkin and T.Oki]

3. Characteristics of reanalysis products

(including changes in the observational data and their impact, Long term trends, Monsoons and the hydrological cycle, Tropical cyclones and extratropical storms, Land surface and hydrology, Stratosphere, Polar regions, Air-sea interactions and surface fluxes from atmosphere and ocean reanalyses).

[Invited Speakers: M.Kanamitsu, M.Sugi, M.Fiorino]

4.Data assimilation techniques for reanalysis including ocean and land

4-1 Quality control of observational data in the past, including bias correction

4-2 Reanalysis errors, especially in surface fluxes

4-3 Assimilation of satellite data

4-4 Advanced data assimilation techniques (e.g., 4D-Var and Ensemble Kalman Filter)

[Invited Speakers: A.Lorenc, E.Kalnay, C. Wunsch, T.Koike and T. Miyoshi]

5.Future reanalyses.

5-1 Advanced reanalysis plans

(National plans, coordination, datasets, archives, coupled reanalysis, etc.)

5-2 Panel discussion:

"Future reanalysis and international cooperation"

[Invited : A.Simmons, K.Trenberth, M. Manton and T.Yasunari]